

There is provided a method of evaluating an electrode body impregnated with a non-aqueous electrolyte, comprising a positive electrode and a negative electrode wound or laminated with a separator inserted in between. The discharge limit of the electrode body is evaluated by means of affinity of the non-aqueous electrolyte for the separator. This method is capable of selecting an optimal combination between a separator and non-aqueous electrolyte and evaluating a discharge limit of the electrode body before finally manufacturing a lithium secondary cell.